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Lat 39.53205 Lon -120.30092

File Code: 3420
Route to: 2470

Date: April 4, 1995

Subject: Cottonwood Jeffrey Pine Germination (NE95-7)

To: District Ranger, Sierraville RD

Last Fall I collected Jeffrey pine seed from the Cottonwood burn. The germination tests I ran on these seed proved interesting.

- JP seed I collected from two hotter areas showed 20% germination.
- JP seed I collected from a cooler area showed 70% germination.

I did not collect seed from areas of the burn where all the needles were burned from the trees. The "hotter areas" were where the needles were all brown and the "cooler area" had needles with some green color to them.

With the exceptionally wet winter, following a good JP seed year, there is a good potential for natural regeneration to occur this Spring on the excellent post-fire seedbed. True, the germination isn't high in the hotter areas. But something is better than nothing.

I hope this information is useful. I would suggest that people, dealing with site disturbing activities, look for naturally occurring seedlings and avoid the seedlings we are interested in keeping.

Bill Woodruff

BILL WOODRUFF
Plant Pathologist